|                 | Index of Oleima |          |           |         |           |        |          |          |              |          |     |  |          |            | Α        | pp              | lica | atic         | n N      | o.              |         |          |          |            | A               | ppli     | ica      | nt(s   | s)      |         | _         |          |   |
|-----------------|-----------------|----------|-----------|---------|-----------|--------|----------|----------|--------------|----------|-----|--|----------|------------|----------|-----------------|------|--------------|----------|-----------------|---------|----------|----------|------------|-----------------|----------|----------|--------|---------|---------|-----------|----------|---|
| Index of Claims |                 |          |           |         |           |        |          |          |              |          |     |  |          | 10/667,941 |          |                 |      |              |          |                 |         |          |          |            | WALKER ET AL.   |          |          |        |         |         |           |          |   |
|                 |                 |          |           | Ш       |           |        |          |          |              | Ш        |     |  |          |            |          |                 |      |              | ner      |                 |         |          |          |            |                 | rt U     |          |        | •       |         |           |          |   |
|                 |                 |          | H         | Ш       |           |        |          |          |              |          | Ш   |  |          |            |          |                 |      | ••••         |          |                 |         |          |          |            |                 |          |          |        |         |         |           |          |   |
|                 |                 |          |           |         |           |        | HI       |          |              |          |     |  |          |            |          | М               | lich | าลย          | el .     | JK              | /le     |          |          |            | 36              | 676      | ;        |        |         |         |           |          |   |
|                 |                 |          |           |         |           |        |          |          |              |          |     |  |          |            |          |                 |      |              |          |                 |         |          |          |            |                 |          |          |        |         |         |           |          |   |
|                 |                 |          |           |         |           |        | ]        |          |              |          | /T  | hrou   | ah r     | เมต        | ner      | ral)            |      |              |          |                 |         |          |          |            | П               |          |          |        |         |         |           |          |   |
|                 |                 | √        | F         | Reje    | ect       | ed     |          |          | -            |          | , , |  | ance     |            |          | ,               |      |              | N        | No              | n-E     | Elec     | cted     |            | A               | Appeal   |          |        |         |         |           |          |   |
|                 |                 |          | = Allowed |         |           |        | _        |          | $\vdash$     | $\vdash$ |     |  |          |            |          |                 |      |              | $\vdash$ |                 |         |          |          | 1          | H               | Objected |          |        |         |         | ┨         |          |   |
|                 |                 | =        |           |         |           |        |          | ÷        |              |          | Re  |  |          |            | ı        | In              | terf | ere          | ence     |                 |         |          |          |            |                 |          |          |        |         |         |           |          |   |
|                 |                 |          | L         |         |           |        | J        |          | L            | <u> </u> |     |  |          |            |          |                 |      | ļ            |          |                 |         |          |          | J          | Ш               |          |          |        |         |         | ┙         |          |   |
| CI              | Claim           |          |           |         |           | Dat    | e        |          |              |          | 1   | Claim  |          |            |          |                 |      | Date         | <u>—</u> |                 |         |          |          | aim        | Γ               | Date     |          |        |         |         |           |          |   |
|                 | T               | 10       |           | T       | Π         | T      | Π        | Π        |              |          |     |  | _        |            |          | П               |      |              |          |                 | Т       |          |          | <u></u>    | П               | П        |          | Т      | Т       | Т       |           | Π        |   |
| Final           | giñ             | 1/14/05  |           |         |           | 1      |          |          |              |          |     | Final  | ig       |            |          |                 |      |              |          |                 |         |          | Final    | gi,        |                 |          |          |        | 1       |         |           |          |   |
| 证               | Original        | 1        |           |         |           |        |          |          |              |          |     | ㄸ  | Original |            |          |                 |      |              |          |                 | 1.      |          | ΙŒ       | Original   |                 |          |          |        |         |         |           |          |   |
|                 | 1               | 1        | ┝         | ╁       | ╀         | ╁      | ╁        | $\vdash$ | ┢            | $\vdash$ |     | <del> </del>                                     | 51       | H          | H        | $\vdash \vdash$ |      | ┝            | -        | $\dashv$        | +       | $\dashv$ | -        | 101        | $\vdash$        | $\dashv$ | +        | +      | +       | +       | +         | ├-       |   |
|                 | 2               | 1        | $\vdash$  | +-      | t         | +      | 1        | H        | H            | $\vdash$ |     |  | 52       |            | H        |                 |      | $\vdash$     | ╁╌       | $\dashv$        | +       | $\dashv$ |          | 102        | $\vdash$        | $\dashv$ | +        | +      | +       | +       | +         | $\vdash$ |   |
|                 | 3               | 1        | T         | T       | Τ         | $\top$ |          | T        | T            |          |     |  | 53       |            |          | $\Box$          |      | -            | Г        | $\dashv$        | $\top$  | 7        |          | 103        | $\sqcap$        | $\dashv$ | 十        | 十      | +       | +       | $\dagger$ | T        |   |
|                 | 4               | 1        |           |         |           |        |          |          |              |          |     |  | 54       |            |          |                 |      |              |          |                 | $\perp$ |          |          | 104        |                 |          |          |        |         |         |           | L        |   |
|                 | 5               | 1        | L         | $\perp$ |           |        |          |          |              |          |     |  | 55       |            |          |                 |      |              |          |                 | $\perp$ | _        |          | 105        | $\Box$          | $\Box$   |          | 1      | $\perp$ |         |           |          | 1 |
| <u> </u>        | 6               | 1        | -         | 4       | 1         | -      |          | ⊢        | <del> </del> | ļ.,      |     |  | 56       |            | _        | -               | _    | <u> </u>     | $\vdash$ | $\vdash \vdash$ | +       | 4        | <u> </u> | 106        | $\sqcup$        |          | +        | 4      | -       | +       | +         | ┞-       |   |
| -               | 8               | 7        | $\vdash$  | +       | ╀         | +      | ╁        | ⊢        | ⊢            | -        | ŀ   |  | 57<br>58 | -          | _        | ┝╌┤             |      | _            | $\vdash$ | $\dashv$        | +       | -        |          | 107<br>108 | $\vdash \vdash$ | -        | -        | -      | +       | +       | -         | ╀        |   |
|                 | 9               | 1        | -         | +-      | +         | +      | +        | $\vdash$ | H            | Н        |     | <del> </del>                                     | 59       | Н          | ┝        | -               |      | ├            | $\vdash$ | $\dashv$        | +       | $\dashv$ | $\vdash$ | 108        | $\vdash$        | $\dashv$ | +        | +      | +       | +       | +         | ╁╌       |   |
| -               | 10              | 1        | $\vdash$  | +-      | $\dagger$ | +      | H        | H        | H            | $\vdash$ |     | <del>                                     </del> | 60       |            |          | $\vdash$        |      | <del> </del> |          | +               | +       | $\dashv$ |          | 110        | $\vdash$        | +        | +        | +      | +       | +       | +         | +-       |   |
|                 | 11              | 1        | -         | +       | $\dagger$ | T      | t        | T        | T            | T        |     |  | 61       | П          |          | $\vdash$        |      | ┢            | $t^-$    | $\dashv$        | $\top$  | 1        |          | 111        | $\Box$          | $\dashv$ | $\dashv$ | $\top$ | +       | +       | $\top$    | $\vdash$ |   |
|                 | 12              | 1        |           |         | I         |        |          | Г        |              |          |     |  | 62       |            |          |                 |      |              |          |                 |         |          |          | 112        | П               | 寸        | $\dashv$ | $\top$ | $\top$  | $\top$  | $\top$    | $\vdash$ | ĺ |
|                 | 13              | 1        |           |         |           |        |          |          |              |          |     |  | 63       |            |          |                 |      |              |          |                 |         |          |          | 113        |                 |          |          |        |         |         |           |          |   |
|                 | 14              | 1        | L         |         | $\Box$    |        |          | Ŀ        |              |          |     |  | 64       |            |          | Ш               |      |              | $\Box$   |                 | $\bot$  | _]       |          | 114        |                 | 耳        | $\Box$   | $\bot$ | $\perp$ | I       | I         |          | l |
|                 | 15              | 1        | _         | 1       | ↓         | 4_     | <u> </u> | ـ        | <u> </u>     | <u> </u> |     | <u> </u>   | 65       |            | <u> </u> | $\sqcup$        |      | _            | <u> </u> | $\dashv$        | 4       | _        | <u></u>  | 115        | $\sqcup$        | $\dashv$ | 4        | 4      | $\perp$ | $\perp$ | $\perp$   | <u> </u> | ĺ |
| $\vdash$        | 16              | $\vdash$ | L         | +       | ╀-        | -      | ₩        |          | ╄            |          |     | <u> </u>   | 66       | L          | $\vdash$ | $\sqcup$        |      | _            | <u> </u> |                 | -       | 4        |          | 116        | $\vdash \vdash$ | -        | $\dashv$ | +      | +       | +       | +         | ╄        | Í |
| -               | 17              |          | <b> </b>  | 4_      | +         | +-     | _        | 1        | _            | <b> </b> |     |  | 67       | _          | _        |                 |      | <u> </u>     | _        | $\vdash$        | _       | _        | ļ        | 117        | ш               | _        |          |        | 4       | _       | _         | ↓        | 1 |

| Final    | Origina  | 1/14/05  |              |              |          |          |          |              |          |          | 100      | E E      | Origina  |               |          |          |  |          |          |          |          | • |    | Final                  | Origina    |   |          |          |          |          |          |               |                   |          |
|----------|----------|----------|--------------|--------------|----------|----------|----------|--------------|----------|----------|----------|----------|----------|---------------|----------|----------|--|----------|----------|----------|----------|---|----|------------------------|------------|---|----------|----------|----------|----------|----------|---------------|-------------------|----------|
|          | 1        | 1        |              |              |          | Г        | 1        | T            | П        |          |          | 一        | 51       |               | T        |          | 1  | $\vdash$ |          | $\neg$   |          |   |    |                        | 101        |   |          |          |          |          |          | $\Box$        | $\dashv$          | $\neg$   |
|          | 2        | 1        |              |              |          |          |          |              |          |          |          |          | 52       |               | Г        |          | Т  | П        |          |          |          |   | 1  | $\Box$                 | 102        |   |          |          |          |          |          | П             | T                 | $\neg$   |
|          | 3        | 1        | Π            |              | Г        |          |          |              |          |          |          | T        | 53       |               |          |          |  |          |          |          |          |   | 1  |                        | 103        |   |          |          |          |          |          | $\Box$        | コ                 | $\neg$   |
|          | 4        | 1        |              |              |          |          |          |              |          |          |          |          | 54       |               |          |          | Г  |          |          | ヿ        |          |   | 1  |                        | 104        |   |          |          |          |          |          | П             | T                 | ヿ        |
|          | 5        | 1        | Г            |              |          | Г        | $\vdash$ | Г            | П        | $\neg$   |          |          | 55       | $\overline{}$ |          |          | T  |          |          | T        |          |   |    |                        | 105        |   |          |          |          |          |          |               | コ                 | ヿ        |
|          | 6        | 1        |              |              |          |          |          |              | П        |          |          | T        | 56       |               |          |          | П  |          |          |          |          |   | 1  |                        | 106        |   |          |          |          |          |          | $\Box$        | П                 | $\neg$   |
|          | 7        | 1        |              |              |          |          |          |              |          |          |          |          | 57       |               |          |          | П  | П        |          | $\neg$   |          |   | 1  |                        | 107        |   |          |          |          |          |          | П             | П                 | $\neg$   |
|          | 8        | 1        |              |              |          |          |          |              | П        |          | $\Box$   | T        | 58       |               |          |          |  |          |          | $\Box$   |          |   | 1  |                        | 108        |   |          |          |          |          |          |               | $\Box$            |          |
|          | 9        | V        |              |              |          |          |          |              |          |          |          |          | 59       |               |          |          |  |          |          |          |          |   |    |                        | 109        |   |          |          |          |          |          |               | П                 |          |
|          | 10       | V        |              |              |          |          |          |              |          |          |          | •        | 60       |               |          |          |  |          |          |          |          | • |    |                        | 110        |   |          |          |          |          |          |               | П                 |          |
|          | 11       | 1        |              |              |          |          |          |              |          |          |          |          | 61       |               |          |          |  |          |          |          |          |   |    |                        | 111        |   |          |          |          |          |          |               |                   |          |
|          | 12       | 1        |              |              |          | L        |          |              |          |          |          |          | 62       |               |          |          |  |          |          | l        |          |   |    |                        | 112        |   |          |          |          |          |          |               |                   |          |
|          | 13       | 1        |              | $oxed{oxed}$ | _        |          |          |              |          |          | $\perp$  |          | 63       |               |          |          |  |          |          |          |          |   |    |                        | 113        |   |          |          |          |          |          |               |                   |          |
|          | 14       | 1        |              |              |          |          | L        |              | Ш        |          | L        |          | 64       |               | 匚        |          | $ldsymbol{ld}}}}}}$ |          |          | _        |          |   |    |                        | 114        |   |          |          |          |          |          | Ш             | $\Box$            |          |
|          | 15       | 1        | _            |              | L        | L        |          | $\sqcup$     |          |          |          |          | 65       |               | L        |          |  |          |          | _        |          |   |    |                        | 115        |   |          |          |          |          |          | Ш             | $\Box$            |          |
|          | 16       | <u> </u> | _            | $\sqcup$     | _        | <u> </u> | _        | <u> </u>     | Ш        |          | $\perp$  | _        | 66       |               | 匚        | <u>_</u> |  | Ш        |          |          |          |   |    | $\square$              | 116        |   |          |          | Ш        |          |          | Ш             | $oldsymbol{\bot}$ | $\Box$   |
|          | 17       | _        | _            | $\perp$      | _        | _        | _        |              |          |          | L        | _        | 67       |               |          |          |  |          |          | _        |          |   |    |                        | 117        |   |          |          |          |          |          | Ш             | $\square$         |          |
|          | 18       | L        | _            | $\perp$      |          | L        |          |              |          |          | $\perp$  | _        | 68       |               |          |          |  |          |          | _        |          |   |    |                        | 118        |   |          |          |          |          |          | Ш             |                   | Щ        |
|          | 19       |          |              | _            |          | <u> </u> | _        |              |          |          | ╙        | _        | 69       |               |          |          |  | Щ        | _        |          |          | _ |    |                        | 119        |   |          |          |          |          |          | Ш             | $\perp$           | _        |
|          | 20       |          | _            |              |          |          |          |              |          |          | <u> </u> |          | 70       | _             | <u> </u> | _        | <u> </u>   |          |          | _        | $\Box$   |   |    |                        | 120        |   |          |          | Ш        |          |          | Ц             |                   | _        |
|          | 21       | <u> </u> | <u> </u>     |              | _        | <u> </u> |          | ļ            |          | _        | <u> </u> | _]       | 71       |               |          |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$  | Ш        | _        |          |          |   |    |                        | 121        |   | _        |          |          |          |          | Ш             | _                 | _        |
|          | 22       | <u> </u> | <u> </u>     |              | _        | L.       | _        | <u> </u>     | Ш        | _        | $\perp$  | _        | 72       |               | _        | _        | _  | Щ        | _        | 4        |          |   |    |                        | 122        |   |          |          |          |          |          | Ш             | $\dashv$          | _        |
| -        | 23       | _        | <u> </u>     | _            | _        | <u> </u> | _        |              |          | _        | _        | _        | 73       |               | <u> </u> |          |  |          | _        | _        |          |   |    |                        | 123        |   | _        |          |          |          |          | $\square$     | _                 | _        |
|          | 24       | _        | <u> </u>     |              | _        | ⊢        | ⊢        |              | Щ        |          | <u> </u> |          | 74       |               | _        |          | _  |          | $\dashv$ | _        | _        |   |    |                        | 124        |   |          |          |          |          |          | $\sqcup$      | $\dashv$          | _        |
|          | 25       | _        | <u> </u>     |              | _        | _        | _        | <u> </u>     |          |          | -        | _        | 75       | _             | _        | _        | _  |          | _        | _        | _        |   |    | <u> </u>               | 125        |   |          | Ŀ        |          |          |          | Ш             | $\dashv$          | _        |
|          | 26       | <u> </u> | ⊢            |              | <u> </u> | ├_       | <u> </u> | <u> </u>     |          | -        | $\vdash$ |          | 76       | -             | ┡        |          | $\vdash$   | -        | _        | _        |          | _ |    | $\vdash$               | 126        |   |          |          |          |          | $\vdash$ | $\vdash$      | $\dashv$          | $\dashv$ |
| _        | 27       | ┝        | ⊢            | -            | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | $\vdash$ | _        | 1        |          | 77       | _             | _        | _        |  | -        | _        | 4        | _        |   |    | $\vdash$               | 127        |   |          | _        |          |          |          | $\vdash$      | -                 | _        |
| -        | 28<br>29 |          | H            |              | $\vdash$ | -        |          | <del> </del> |          | $\dashv$ | $\vdash$ | -        | 78       | _             | H        | _        |  | -        | ,        | $\dashv$ | -        | _ | }  | $\vdash\vdash\vdash$   | 128        |   | _        | _        | $\vdash$ |          |          | $\dashv$      | $\dashv$          | -        |
| -        | 30       | $\vdash$ | ⊢            | -            | ├        | ├—       | <u> </u> | $\vdash$     |          | _        | $\vdash$ | -        | 79<br>80 | -             | $\vdash$ | -        | -  | -        | $\dashv$ | -        |          |   |    | $\vdash\vdash\vdash$   | 129        |   |          |          |          | _        | _        | <del>  </del> | $\dashv$          |          |
| -        | 31       | -        | ├            | ⊢            |          | ⊢        | ┝        | <del> </del> | $\vdash$ | _        | $\vdash$ | $\dashv$ | 81       | -             |          | -        | $\vdash$   | $\dashv$ | -        | $\dashv$ |          |   | 1  | $\vdash\vdash\vdash$   | 130<br>131 |   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ | _        | $\vdash$      | -                 |          |
| -        | 32       | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | ⊢        | ├        | H            | $\dashv$ | $\dashv$ | -        | -        | 82       | ⊢             | ┢        | -        | H  | Н        | $\dashv$ | $\dashv$ |          | - |    | $\vdash$               | 132        |   | $\vdash$ |          |          |          |          | $\vdash$      | $\dashv$          | $\dashv$ |
|          | 33       | $\vdash$ | $\vdash$     | H            | -        | ├-       | ┢        | -            |          | $\dashv$ | $\vdash$ | $\dashv$ | 83       | $\vdash$      | $\vdash$ | $\vdash$ | -  | $\dashv$ | $\dashv$ | $\dashv$ | -        |   |    |                        | 133        |   |          |          | $\vdash$ |          |          | $\vdash$      | -                 | $\dashv$ |
|          | 34       | -        | -            |              |          | ┢        | -        | H            |          | $\dashv$ | -        | $\dashv$ | 84       | <del> </del>  |          | $\vdash$ | $\vdash$   | $\dashv$ | -        |          |          |   | 1  | $\vdash\vdash\vdash$   | 134        |   | H        | H        | Н        | -        | _        | $\vdash$      | $\dashv$          | $\dashv$ |
|          | 35       |          | <del> </del> |              |          | $\vdash$ | -        | -            |          | $\dashv$ | $\vdash$ | $\dashv$ | 85       | ┝             | -        | -        | $\vdash$   | $\dashv$ | ᅱ        | $\dashv$ | -        |   | ł  | $\vdash$               | 135        |   |          | $\vdash$ | Н        | -        | _        | $\vdash$      | $\dashv$          | $\dashv$ |
| $\vdash$ | 36       | -        | -            |              |          |          | $\vdash$ |              |          | $\dashv$ | -        | $\dashv$ | 86       | ⊢             | $\vdash$ | ┝        | -  |          | ᅱ        | $\dashv$ | -        | _ | ١. | $\vdash \vdash \vdash$ | 136        |   | _        | -        | -        | -        |          | $\dashv$      | $\dashv$          | $\dashv$ |
|          | 37       | _        | $\vdash$     |              |          | $\vdash$ |          |              | Н        | $\dashv$ | $\vdash$ |          | 87       | $\vdash$      | $\vdash$ | -        | -  |          | $\dashv$ | $\dashv$ | -        |   | 1  | $\vdash \vdash \vdash$ | 137        |   |          |          | -        | -        | _        | $\dashv$      | $\dashv$          | $\dashv$ |
|          | 38       | _        | $\vdash$     | Н            | $\vdash$ |          |          |              |          | $\dashv$ | -        | +        | 88       | $\vdash$      | ┢        | -        | $\vdash$   |          | $\dashv$ | 一        | ᅥ        | _ |    |                        | 138        |   |          | _        | -        | -        |          |               | $\dashv$          | $\dashv$ |
|          | 39       |          | <u> </u>     | Н            | $\vdash$ |          |          |              | $\Box$   | $\dashv$ | <u> </u> | -        | 89       | $\vdash$      |          |          | $\vdash$   |          | 一        | $\dashv$ | $\dashv$ | _ |    |                        | 139        | _ | $\vdash$ |          |          |          |          | $\neg$        | $\dashv$          | $\dashv$ |
|          | 40       | _        | $\vdash$     | Н            | <u> </u> |          |          |              |          | _        | $\vdash$ | _        | 90       |               | $\vdash$ | $\vdash$ | $\vdash$   |          | 一        | 一        | $\dashv$ | _ | 1  |                        | 140        |   |          |          |          |          |          | $\dashv$      | $\dashv$          | -        |
|          | 41       |          | $\vdash$     | П            |          | Т        |          |              |          |          | -        | 7        | 91       |               | Н        | _        | <u> </u>   |          | _        | ヿ        | $\neg$   | _ | 1  |                        | 141        |   |          |          | H        |          |          | $\dashv$      | $\dashv$          | $\neg$   |
|          | 42       |          | $\vdash$     | П            | $\vdash$ |          |          |              |          | $\dashv$ |          | ┪        | 92       | ┢             |          |          | $\vdash$   |          | ᅥ        | 一        | $\dashv$ |   |    |                        | 142        |   |          |          | H        | Н        |          | $\dashv$      | $\dashv$          | $\dashv$ |
|          | 43       |          | $\vdash$     | П            |          | Г        | Г        |              | $\vdash$ | $\dashv$ |          | $\dashv$ | 93       | -             |          |          |  |          | 一        | $\dashv$ |          |   |    | $\vdash$               | 143        |   | П        | $\vdash$ |          | $\vdash$ | Н        | $\dashv$      | $\dashv$          | $\dashv$ |
|          | 44       |          |              | П            |          | Г        | Г        |              | $\Box$   | $\neg$   |          | 7        | 94       | Г             | Г        | Г        | П  | $\vdash$ | 一        | $\neg$   |          |   |    |                        | 144        |   |          |          |          |          |          | 一             | $\dashv$          | $\dashv$ |
|          | 45       |          |              | П            |          | Г        |          |              |          | ヿ        |          | 7        | 95       |               | $\Box$   |          | П  | $\Box$   | 一        | 一        |          |   |    |                        | 145        |   |          |          |          |          |          | $\dashv$      | 7                 | $\dashv$ |
|          | 46       |          |              | П            |          |          |          |              | $\Box$   | $\neg$   |          | 7        | 96       |               |          | Г        | П  | $\Box$   | 寸        | ᅥ        |          |   |    | $\Box$                 | 146        |   |          |          |          |          |          | $\neg$        | $\dashv$          | $\dashv$ |
|          | 47       |          |              | П            |          | Г        |          |              | $\Box$   | $\neg$   |          | $\neg$   | 97       |               |          |          | П  |          | 一        | ┪        |          | _ |    |                        | 147        |   |          |          |          |          |          | $\dashv$      | $\dashv$          | $\neg$   |
|          | 48       |          |              | П            |          |          |          | П            |          | $\neg$   |          | 7        | 98       | Т             |          |          | П  |          | $\neg$   | $\dashv$ | T        |   | 1  |                        | 148        |   |          |          |          | $\neg$   |          | $\dashv$      | $\dashv$          | $\neg$   |
|          | 49       |          |              |              |          |          |          |              |          |          |          |          | 99       |               |          |          |  |          | _        | $\neg$   |          |   |    |                        | 149        |   |          |          |          |          |          | $\neg$        | $\neg$            | $\neg$   |
|          | 50       |          |              |              |          |          |          |              |          |          |          |          | 100      |               |          |          |  |          | $\Box$   | ╝        |          |   |    |                        | 150        |   |          |          |          |          |          |               |                   | $\neg$   |